

open for business

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2600 Magazine

P.O. Box 752

Middle Island, NY 11953 U.S.A.

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Permit 2943 at
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11952

ISSN 0949-3961

2600

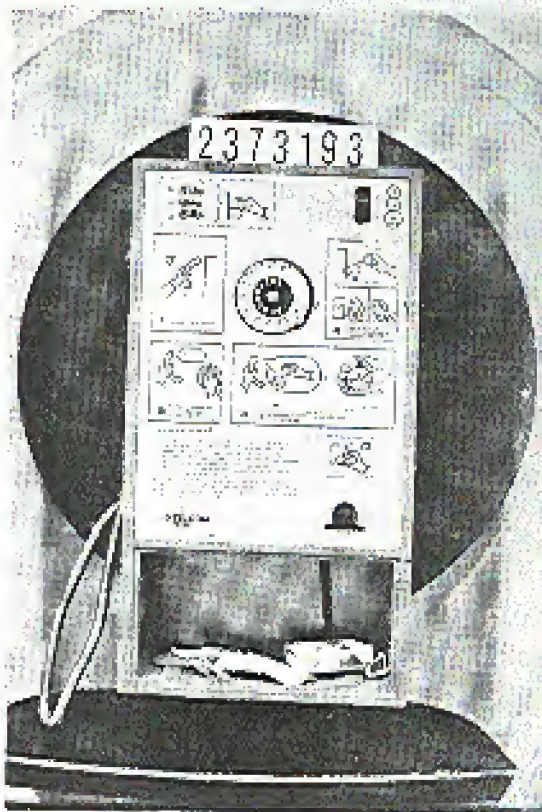
The Hacker Quarterly

VOLUME EIGHT, NUMBER TWO

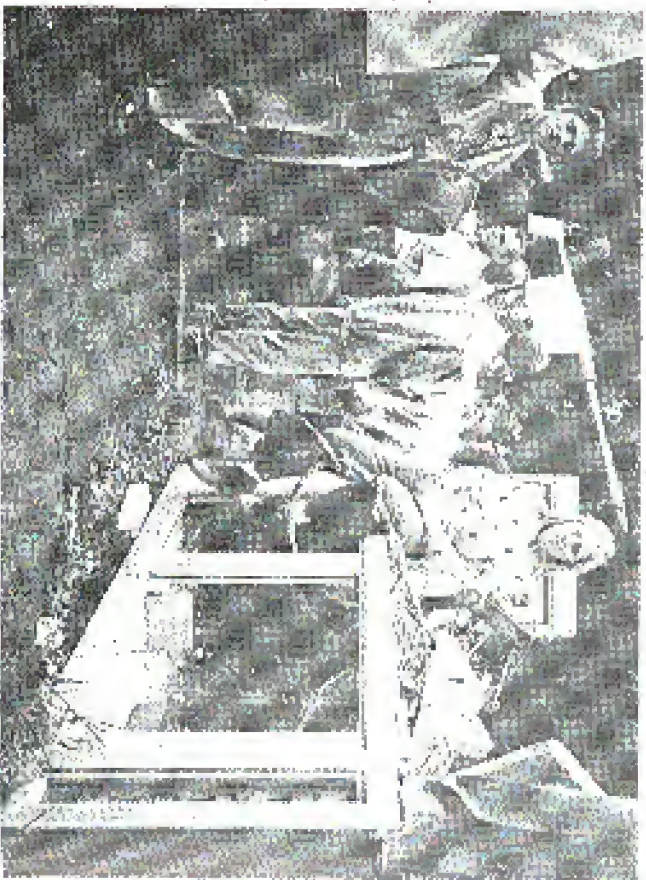
SUMMER, 1991

HEREBY I RENOUNCE FREEDOM & PRIVILEGE
AS HERETOFORE EXTENDED PRIVILEGE
PUBLICLY HEREBY EXTENDED PRIVILEGE
SOCIALLY HEREBY EXTENDED PRIVILEGE
IN PRIVATE HEREBY EXTENDED PRIVILEGE
PRIVATELY HEREBY EXTENDED PRIVILEGE
FREEDOM HEREBY EXTENDED PRIVILEGE
HEREBY HEREBY EXTENDED PRIVILEGE
AS HEREBY EXTENDED PRIVILEGE





This is a Czechoslovakian payphone. It will take a few minutes for your eyes to adjust. This is a normal reaction.



Brave 2600 photographers risked certain death recently in the Soviet Union to bring you exclusive pictures of a Soviet payphone being used as a barricade against tanks during the recent coup attempt.

SEND YOUR PAYPHONE PHOTOS TO: 2600 PAYPHONES, PO BOX 99, MIDDLE ISLAND, NY 11951. STILL WAITING FOR AFRICAN PAYPHONES

2600 (ISSN 0745-3951) is published quarterly by 2600 Enterprises Inc., 7 Strong's Lane, Setauket, NY 11733. Second class postage permit paid at Setauket, New York. POSTMASTER: Send address changes to 2600, P.O. Box 742, Middle Island, NY 11953-0752.

Copyright (c) 1991 2600 Enterprises, Inc.
 yearly subscription: U.S. and Canada - \$21 individual, \$50 corporate (U.S. funds).
 Overseas - \$30 individual, \$65 corporate.
 Back issues available for 1984, 1985, 1986, 1987, 1988, 1989, 1990
 at \$25 per year, \$30 per year overseas.

ADDRESS ALL SUBSCRIPTION CORRESPONDENCE TO:
 2600 Subscription Dept., P.O. Box 752, Middle Island, NY 11953-0752.
 FOR LETTERS AND ARTICLE SUBMISSIONS, WRITE TO:
 2600 Editorial Dept., P.O. Box 99, Middle Island, NY 11953-0099.
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ADVERT

Where Have All The Hackers Gone?

This is one of the more common questions circulating today. Only a couple of years ago, things seemed very different. Hacker bulletins boards were everywhere. Knowledge was spread freely on a multitude of topics, from telephone switches to all of the latest operating systems. Looking back, it all seemed so magical.

So what has changed? Two things primarily. One, naturally, is the technology itself. Antiquated telephone equipment is rapidly becoming a memory, to be replaced by sleek, modern paraphernalia that too often seems to miss the point entirely. Computers are becoming increasingly integrated into our everyday lives. The other change, however, is more troublesome: The people who make up our unique community are becoming affected by the draconian measures of a misguided few who are determined to rid technology of hackers, apparently at almost any cost.

We've seen many innocent people victimized in countless hacker hunts. Bulletin board operators who, allowed hackers to communicate have repeatedly found themselves the targets of raids by government agencies, even though they themselves were not hackers. It happened to our own system operator in July of 1985. Other examples include parents returning home to find their front doors smashed in by the Secret Service, their child having been suspected of being a hacker. In some cases, no charges were ever filed. Yet much that had been confiscated was never returned. More recently, guys from the New York State Police forced their way into a Manhattan apartment, apparently believing that the best way to calm down an hysterical parent was to reveal their shegum. Not surprisingly, she didn't work.

The absurdities and indignities that decent people have been subjected to in the search to weed out the hackers could fill every page of this publication. In the beginning, it was easy to laugh when confused government agents confiscated TV sets and rotary telephones. But the mood has slowly been changing ever the years. People are really getting hurt now. Students are being taken out of school and

sent to prison for such offenses as copying files, accessing systems that had no password protection, or just being inquisitive. It's reached the point where their "guilt" are viewed by some as more worthy of punishment than crimes of violence, primarily because of the potential for damage if they decided to be malicious. The fact that the overwhelming majority of hackers are not malicious is simply brushed aside as is the weak security that allows easy access to so many.

We don't say we're surprised. As soon as it became clear that our courts were primarily interested in protecting corporate rights, it was only a matter of time before individuals began paying a heavy price.

Let's examine the facts. An individual cannot take TRW to court because they collect personal data on the individual without his/her permission. But TRW can claim its privacy was violated if a hacker figures out how to access the system. Ironically, most people don't even know what TRW was doing until hackers revealed the system back in 1984.

When IBM's Proddy recently was found to have fraudulently sold data that gave the appearance that they were able to read personal files on users' computers, they explained themselves and everybody listened. But a hacker found with a copy-right document on his system is given no such luxury. It's assumed that he was up to no good and he is treated like a criminal.

Bill South is able to put people in jail for abusing a system that had no password! Hackers waiting in purgatory for merely accessing a system that had no password! Yet Bill South is caught red handed lying about the value of a document in court. (The \$11 document that they claimed was worth \$90,000 was actually worth less than \$15.) The ridiculous pricing scheme they use to justify their actions (revealed on page 6) is believed without question. But it is individual whose life has been shattered by this corruption wishes to be compensated. He soon learns how impossible justice is becoming.

Again, there are countless examples of corporate "privacy" being protected at the

expense of individual liberty. It's a very frightening scenario and we have to wonder how long it will take for mainstream society to see the threat. How that we live in the world's only superpower, what or who will become the new enemy?

All of this is a bit much for the average hacker to take. It's not surprising to see people keeping a low profile. But inertia cannot be forgiven. Things are changing all around us and by allowing what is clearly wrong to take place, we are as guilty as if we had done ourselves.

Freedom of speech must be preserved at any cost. You can still exercise that right in a very meaningful way by running a computer bulletin board where people can communicate freely. You may get your dear littled in it (nearly). You may get your dear littled in it (nearly). You may get your dear littled in it (nearly). You may get a little stink on you, but it's a risk you must be willing to take. After all, what is the alternative? It is continue down the road, conditions on speech and assembly will extend beyond the world of computers and into our everyday lives. If registration of bulletin boards with the government becomes the norm, newspapers and magazines will be read, if you don't buy, consider the fact that there are now electronic newspapers and magazines emerging every year.

Admittedly, a lot of us are really only nosedived in learning. It makes sense not to get involved in all of this crap. But the fact is that we have become pawns in a much larger game. To submit to unacceptable terms and remain underground like criminals is the worst thing that can happen to the hacking community.

We have to accentuate the positive elements that once were so common. As well as an increase in boards, we want to see more people writing them: the hacker perspective. The hundreds of legendary files about various operating systems need to be updated and rewritten. There are an incredible number of topics waiting to be written. There are also many people who want to learn about technology from an individual perspective but don't know how to begin. The key is to share information. The cost will follow.

We must also get rid of our negative perceptions. The most prevalent of these is the habit of suppressing information. It's a double standard to be on a quest for knowledge and

then keep it to yourself when you obtain it. It's also self-defeating. And it's paying the same game that the people who stand against us are playing. There are an incredible number of people who want to learn, not just share results. A populace that knows how to manipulate technology to its advantage will result in a much healthier society. The opposite is too suffing to even contemplate. We are in the unique position of greatly influencing which becomes reality.

"Elite" hackers and hacker "gangs" do more harm than good in the big picture. Eyes and machines tend to cloud the reason we get involved in the first place. They also serve as the means to look out others. And, of course, anybody who crashes systems, wipes data, or does anything malicious for no apparent reason is doing us one against: hackers that any government agency ever could. Fortunately, these kind of people are extremely scarce in the hacker world. A real trait speaks volumes.

Another form of elitism can be found in older hackers who want to distance themselves from what the younger hackers are doing. They believe the way to do this is to create a new label for the "underbelly" and call them "casualties". It's an ill-conceived attempt at manipulation that simply serves to split the community. This description of hackers comes from the book Cyberpunk (reviewed on page 42). "The earliest self-described computer hackers, those at MIT who abhorred computer security, or anything else that would inhibit the sharing of information and the access to computers, had it in for Mullins from the start. MIT hackers, often tried to bring the system to its knees, and occasionally they succeeded." Those who are "old-style" hackers, not the "young punks" of today. The tactics, we all speak a common language. While there are many different "dialects" of hacking, further categorization is not the answer.

Where have all the hackers gone? They haven't really gone anywhere, although some would like you to believe they have. There are more hackers today than ever before. But they are becoming invisible out of fear. We need to see more people do whatever they can to get ideas and information flowing again. The strength of our efforts will determine whether we move into new and uncharted territory or simply repeat history yet again.

The following list of what's new in the 911 database is based on 1990. It might not be the entire list of the documents included in 911/90. After that full matter and on some computer system have included as part of the required content in creating the document. Each section find and information is entered in bold. The first five the listed items possessed original case professional information contained their good/future records are being provided in abstract form. The document was originally created in 911/90. (Date: 1/1/90)

10/10/90

11th Precinct Brief, M. J. Adams, Georgia, 50000-5000

January 10, 1990
Bill Cook - Assistant United States Attorney
 United States Attorney's Office
 Chicago, Illinois

The first request I have received is a transcription of the case associated with the production of the following document: **Production Order (COP) number 000-220-10967**. This provision in addition to the following information and information or contact person please contact me if this request you require more information or contact person please contact me if this information is not available.

Atlanta, Georgia
Atlanta, Georgia
Atlanta, Georgia
Atlanta, Georgia

17,099
57,680
84,600

79,459

Information to letter (transcription of documents)

Documentary Evidence (COP) number 000-220-10967

1. Production Order (COP) number 000-220-10967

2. Production Order (COP) number 000-220-10967

3. Production Order (COP) number 000-220-10967

4. Production Order (COP) number 000-220-10967

5. Production Order (COP) number 000-220-10967

6. Production Order (COP) number 000-220-10967

7. Production Order (COP) number 000-220-10967

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26. Production Order (COP) number 000-220-10967

27. Production Order (COP) number 000-220-10967

magnetic stripes

These days you can find a lot of magnetic stripes available at 911/90. They are used in a variety of applications, including:

1. Identification
2. Access Control
3. Security
4. Data Storage

Each is a different type of magnetic stripe. The most common is the identification stripe, which is used for access control. This stripe is made of a material that can be magnetized and demagnetized. The information is stored on the stripe in the form of magnetic domains.

Another common type is the access control stripe. This stripe is used to control access to a building or a computer system. It is made of a material that can be magnetized and demagnetized. The information is stored on the stripe in the form of magnetic domains.

Security stripes are used to protect sensitive information. They are made of a material that can be magnetized and demagnetized. The information is stored on the stripe in the form of magnetic domains.

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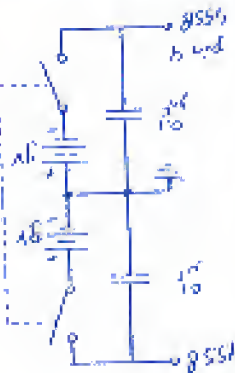
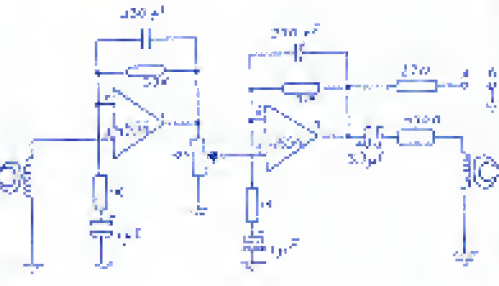
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death of nynex business centers

by Anonymous

On June 1, 1991 NYNEX Business Centers sold its entire operation, assets, and customer base to rival computer reseller ComputerLand.

The five-year experiment was the most serious attempt yet by a Bell Operating Company to capture the long-predicted home and business markets for new synergistic computer/communications technology products, such as desktop computers, mobile, integrated voice/data terminals, videotext, ISDN equipment, CLASIS hardware, multimedia, facsimiles, cellular, and more. In the end though, under a blanket of bureaucratic mismanagement and misanthropists, the division failed to meet its five-year profit plan and was sold to the highest bidder for \$185 million in cash and ComputerLand stock, leaving some NYNEX employees either without work or with a company whose name sounds like an employment perk.

I worked for NBC (as it was referred to internally) for the last four of its five years, and I found it interesting to see the telephone giant from the inside. NBC was a division of BLSG, the Business Information Systems Corporation division (which also owns the GASS software giant AGS), which itself is part of a still larger division that controls their other "unregulated" companies such as NYNEX Mobile Telephone. It was a confusing hierarchy of divisions and subdivisions which seemed to change as frequently as the seasons (or managers). Although the \$315 million NYNEX Corporation has repeatedly denied allegations that it subsidized its unregulated businesses with the billions it receives from New York Telephone, many NBC employees (including myself) felt like they were part of a huge, mysterious shell game.

In fact, NYNEX is currently under investigation by the Public Service Commission for questionable transactions between the telephone company and its subsidiaries.

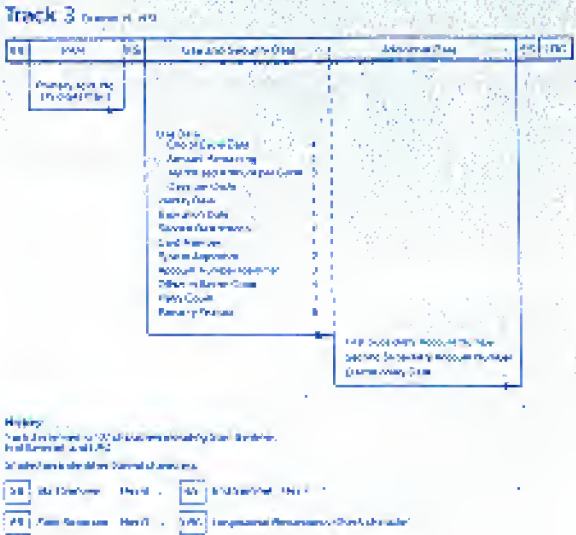
For a brief history, NYNEX Business

Centers was itself born out of the ashes of two other failing computer ventures. Back in 1986, IBM's chain of retail microcomputer stores (known as IBM Product Centers) wasn't performing up to Big Blue's expectations, so they got it on the block with the stipulation that all employees be retained. NYNEX took the bait, and also bought the failing DATACOM computer chain at about the same time, essentially handling a distribution network employing nearly 2000 people in over 80 stores with locations in most states. The nerve center (with an IBM 3090), headquarters, and warehousing facilities were built in Atlanta for its central location, tax laws, and its proximity to major air transport facilities.

This was barely two years after the great AT&T breakup/divestiture that allowed Bell Operating Companies (BOCs) to compete more freely and market non-telephone products and services. At the time, NYNEX was (and still is) employing less Washington lobbyists and PR army in an attempt to convince the US Justice Department to overturn the Modified Final Judgment (MFJ) that forbids BOCs from developing, manufacturing, and marketing their own equipment, and from developing and marketing information services (such as business and consumer databases, electronic/yellow pages, etc.).

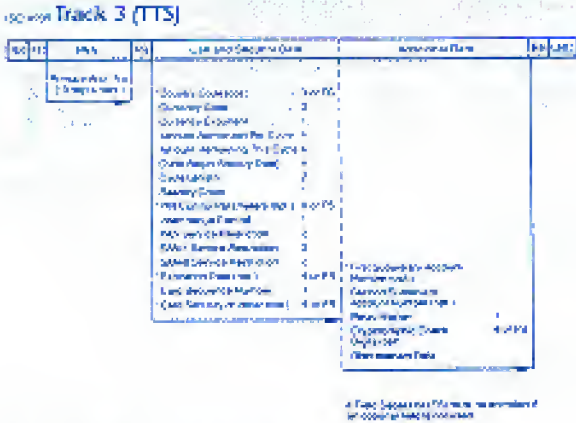
Evidently though, the Reagan administration was having such a ball deregulating the S&L industry that they never got around to ending the ribbon on any new parties. So NBC was limited to reselling only other manufacturers' products (such as IBM, Compaq, Apple, Hewlett-Packard, etc.) in a highly competitive market they never could back. NYNEX kept up the deregulatory fight though, urging its employees to write their legislators to deregulate BOCs in an unopposed, self-labeled "grass roots" campaign which never bore fruit. It's almost certain to happen eventually because there's billions of dollars at stake, but it's too late for NYNEX Business Centers.

Main Data Fields are used on Track 3 (see 1990 form privacy page in the field definition sheet at Privacy on page 10) in the October 1991 (1) data release listed below in the appropriate table.



Health Care - Embossing/Encoding Systems - Service Bureau

The data fields for Track 3 (TTS) are those indicated in their security classification on the right side of the page. The Manual and are all unclassified and listed on their respective pages in the Manual. The Manual is available at no charge. Contact: IBM, 400, 500, 500, 500.



Notes:
 1. The data fields are listed in the Manual.
 2. The data fields are listed in the Manual.
 3. The data fields are listed in the Manual.
 4. The data fields are listed in the Manual.

HACKER NEWS

On June 17th, Len Rose (whose story was featured in our Spring issue) was sentenced to a year in prison for sending AT&T UNIX source code over the telephone.

To further intensify the "whodunnit" atmosphere of this charade, the judge (U.S. District Judge J. Frederick Mox) ordered Rose to sell his computer equipment...

This is certainly one of the silliest sentences ever handed down in the hacker world, no doubt to send another message to us all. (In fact, Rose could have been ordered to pay restitution to AT&T, presumably for the trauma of having to change him with this crime.) What's particularly crazy here is that nobody is saying that Rose ever broke into a system or even did anything with the source code, other than examine it. Basically, Rose got kind of something AT&T didn't want him to see, so he was put away for a year. If the case has to be stirred up in our lifetime, that would certainly suffice. We'd like to know how many people are comfortable with a system that locks people away for just looking at programs and experimenting with them in the confines of their own home. How many of you could resist a glance at UNIX source code - if you were capable of understanding it and if it happened to be within your grasp? It's human nature to be curious. For ages, we've been fashining and suspending human nature in various ways. But it never seems to work because human nature has this way of bouncing back and surviving. Hackers glorifyize this and will also never disappear. But they may be forced into hiding for some time to come, something that will set technology back significantly.

For those interested in writing to Len Rose:

From: len@newsj.NEISYS.COM (Len Rose)

Newsgroups: comp.dcom.telecom

Subject: Farewell

Message-ID: ctelecom11.481.7@eesa.nyu.edu

Date: 21 Jun 91 23:27:01 GMT

Just a quick note to say Goodbye to many friends and compatriots. I will be off the net for about a year I suppose. Many of you deserve more than just "Thanks" and some of you deserve utter contempt. Watch yourselves, it can happen to anyone. Lep

His address is: Federal Prison Camp, Seymour 28000e APB, Office Box 8004, Columbus, NC 27531-5000.

While some hackers are going to jail, others are trying to sell their talents. Former members of the Legion of Doom have teamed up to start Comsec Data Security in Etouan.

Former hackers Erik Bloodaxe, Doc Holiday, and Maledictor started the organization this summer. "I'vepic need us," said Holiday, whose real name is Scott Chasin. "Over the last Ten years from now we'll be the leaders in data security."

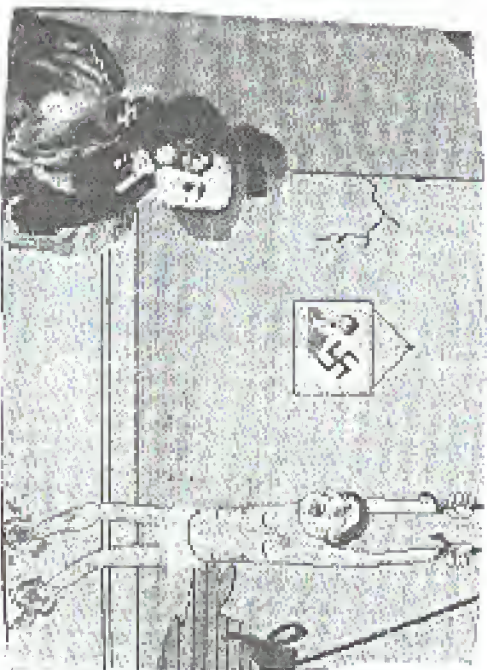
According to Comsec's press release: "We feel that we see bringing a fresh approach to security consulting in the corporate marketplace. We were all the main of the crop of the computer underground and know precisely how systems are compromised and what actions to take to recover them."

The group estimates its success rate at penetrating systems to be 80 to 85 percent.

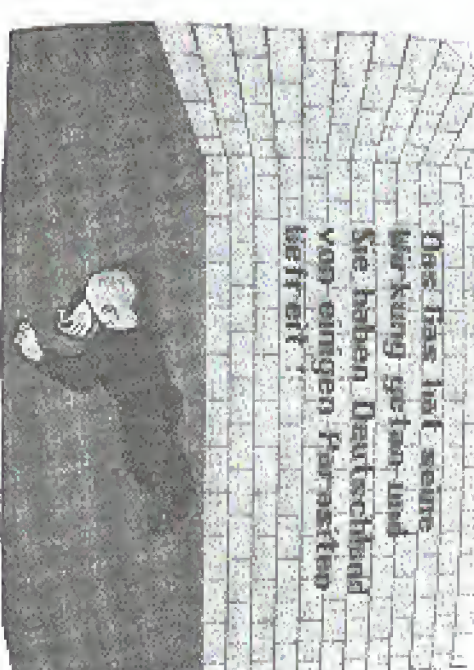
Many in the corporate world say, at least publicly, that they would never trust former hackers to do security for them. Those will in the hacker world tend to look upon Comsec with a mixture of suspicion and contempt. We will reserve any judgement until we see just what it is they do and how good they are. We do hope, however, to see them try releasing their clients on just what a hacker is, even though facing the certain penalties would make them reach fever.

Comsec can be reached at 713-721-6500. (Except for the area code, that number is not similar to ours!)

JEW-DISM



Das has hat seine
wurkung ge-lan-und
Sie haben Deutschland
von eingien für-ritten
be-ff-ert



Got your attention, didn't it? These are pictures from a neo-Nazi computer game circulating throughout Germany. One picture depicts a Gestapo agent torturing a prisoner. The other is a congratulatory message: "The gas has taken effect and you have freed Germany of these parasites." One group fighting against this kind of thing is the Simon Wiesenthal Center, 9760 W. Pico Blvd., Los Angeles, CA 90035.

hacking mcimax

by MCI Mouse

MCIMAX is actually MCI's link into the MAX database which contains information concerning many MCI as well as AT&T and US Sprint products. The data retrievable for each service includes current usage rates and volume discounts for products, comparison matrices, feature and benefit statements for products, guidelines for entering and processing orders, and current product promotions.

This article will deal specifically with MCIMAX, containing information about MCI's domestic products.

MCIMAX can be logged into from an MCI terminal. I am writing this article under the assumption that you can access the MCIMAX database remotely either via dial-up or network hopping. From an MCI Terminal ID Screen, type I, PREF (for Mid-Atlantic, Northeast, Southeast, or International divisions) or L, PREFSAC (for Midwest, Pacific, Southwest, or West divisions). At this point, you will be prompted for a Sign-On Number, Volume Name, and Password. For Sign-In Number, enter R### where ### is the branch ID number. The branch IDs go by hundreds (for example, 500 to 536 is the Southwest Division range). Your volume name is MCIMAX and a password is not required at this time to access the database. You should now be in the MCIMAX database.

MCIMAX is structured like a book. There are 26 chapters, A through Z, containing the following

information:

- A Reserved
 - B Dial *97/Premier Calling Plans
 - C Operator Services
 - D Corporate Account Ser-vices/CAS PLUS
 - E WATS
 - F Hotel WATS
 - G University WATS
 - H PRISM I
 - I PRISM II
 - J PRISM III
 - K PRISM PLUS
 - L MCI 800 Service
 - M Vnet
 - N Fax
 - O MCI Card
 - P Worldwide Direct Dialing
 - Q Digital Gateway T-1 Access
 - R Fractional T-1/DSO and VCPL
 - S Terrestrial Digital Service L3
 - T Digital Data Service (DDS)
 - U Switched 66 Kbps Service
 - V Hospitality Plus
 - W MCI Network
 - X Rate Tables
 - Y AT&T Competing Products
 - Z US Sprint Competing Products
- Within each chapter, there are topics, sections, and items (i.e. in Chapter K, PRISM PLUS, Topic 1 is Description, and sections include Description Introduction, Overview, Call Processing, Target Market, and Sales Successes). The bottom of your screen should contain the pertinent information as to how to select your sections within the topic of a chapter, but if not, you should place an X by the section which you wish to browse.
- Another way of accessing information is via the Index. From

your arrow prompt at the bottom of your screen, you can type an Index word or a letter if you're not sure of the exact index entry. For access to AT&T 800 Readyline rates, for example, you would type AT9 800 READYLINE, RATES. If you simply typed A, you would be given an alphabetical list of topics within the Index from which to choose. Tab moves from item to item from the list, and an X by the topic will go to that Index item.

Function keys to use with these menus include:

- * * PF1 Displays previous page/topic.
- * * PF2 Displays next page/topic.
- * * PF3 Exits to MCI logo screen.
- * * PF4 Displays table of contents.
- * * PF5 Lists the chapters in the volume.
- * * PF6 Lists the topics in the chapter/volume.
- * * PF7 Lists the sections in the topic.
- * * PF8 Allows you to type an index entry/displays the index.
- * * PF9 Displays the previous chapter in the volume.
- * * PF10 Displays the next chapter in the volume.
- * * PF11 Gives access to bookmark or glossary options/shows more options.
- * * PF12 Toggles the menu (at the bottom of the screen) on and off.

(A # indicates use with Table of Contents and a * indicates use with the Index.)

The bookmark function allows you to return to a set screen at any time. Using the PF11 key to see the options, hit PF9 to set the bookmark. Then enter a name for the bookmark when asked. To go back to where you were, hit PF11 again. From the

PF11 menu, you can retrieve a bookmark by entering PF10 and choosing the name of the bookmark to return to.

There is also a glossary available in MCIMAX. If the bottom of the screen's display does not have PF8 indicated as "Glossary", hit PF11 to toggle. Once selecting PF8, use the PF1 key to get a list of glossary terms, and enter the term to be defined at the prompt, or enter a blank line to return to your previous work.

Although this system is not as intriguing as some telecommunications computer systems, it is good to know what you're toying around with if you stumble upon one. Good luck and have fun!

2600 has meetings in New York and San Francisco on the first Friday of every month from 5 pm to 8 pm local time. See page 41 for specific details.

advertisers

Inspect Implementation

We received an internal document recently concerning security implementations on Digital's EASYnet. The employee who supplied this information wishes to be known as Gander Woodstein. We will quote some of the more interesting sections.

'Someone has written that failing to plan is planning to fail! No where [sic] could this be more true than in the area of security. In an effort to improve upon our planning, a new security tool is being released for all VMS systems. This tool will run with SECURPAK, and will provide the system manager with a new level of system security testing that was never before available. Additionally, it will complete the process by providing a greater level of reporting than exists today.

'...INSPECT will be required on all VMS nodes of the EASYnet INSPECT, Interactive Network Security Policy Examination/Compliance Toolset, has been developed to meet the rigors of Corporate Security Standard 11.1. When run, INSPECT will check a system to ensure that it is in compliance with this security standard.

'All system managers in DECNET Areas 16, 34, and 36 are being asked to install the INSPECT tool on their system by December 30, 1990. Additionally, any system manager of a system in a hidden area, ie: 62, 63, who is serviced by an area 16, 34, or 36 pass-thru server must also install INSPECT. INSPECT is now a required security tool, just as SECURPAK is. The XSAFE security testing tool now tests for the existence of INSPECT on

your node.

'...Presently, Digital Equipment Corporation owns the largest proprietary computer network in the world! This network, EASYnet, is a target for hackers, and others. The EASYnet represents a wealth of resource that is available to the Digital employee, and it is a resource that must be protected. INSPECT is a tool that will assist the system manager in safe guarding [sic] our resources.

'INSPECT is divided into two portions, inspectors and agents. Basically, inspectors are assigned a specific task. Agents are generated by the inspectors, and carry out the actual investigation. INSPECT's purpose is to check the security of your node, in an ongoing manner, and review 5 major subsystems on your system. They are:

'File Subsystem: system file ownership and protections, overall file protection, public and private, world writable file files.

'Account Subsystem: checks for privileged accounts, account ownership, proxies, system support accounts, and inactive accounts.

'Network Subsystem: checks network objects, DECnet access; Dialup and LAT protection.

'SYSGEN Subsystem: compares SYSGEN parameters for changes.

'Audit Subsystem: checks for security auditing and ORCOM.

'At a minimum, INSPECT runs automatically every 28 days, and reports the findings of these subsystems to the Security Office, as well as generate a report to be used by the system manager. This report

can be used to correct potential security holes.

'Furthermore, INSPECT can be run on demand by the system manager, and it is encouraged that INSPECT be run whenever there is a change made to a system, whenever unaccountable changes are found, or whenever increased activity is noticed on your system.

'...INSPECT provides reporting capabilities to both the system manager and the Security Office. As INSPECT finds potential security issues, it attempts to resolve them by creating a DCL command procedure that will patch the hole. INSPECT does not apply the patch that is developed. It is up to the discretion of the individual system manager to ensure that this is performed. It becomes part of the system manager's responsibility to check for VAXmail messages from INSPECT, and take corrective action if necessary.

'Information regarding LOCKDOWN is being provided to the system manager to ensure that they understand what LOCKDOWN is and what it does. Until otherwise notified.

*** LOCKDOWN SHOULD NOT BE UTILIZED ON ANY SYSTEMS ***

'Perhaps one of the most misunderstood features of INSPECT is LOCKDOWN. LOCKDOWN is a default feature of INSPECT. Whenever INSPECT is run, it creates a file in the SYSSMANAGER directory. This file is named:

'SYSSMANAGER.INSPECT#node-name_LOCKDOWN.COM

'This file contains DCL code for each violation that INSPECT finds, and is readable by the system manager. INSPECT does not process this file, or apply any patch to your system. At the end of an INSPECTION,

a VAXmail is sent to the system manager for review. The VAXmail contains all the security issues that INSPECT found. INSPECT also notifies the Security Office of the node violations by sending a token of information. This information is automatically placed in the Regional node database.

'...LOCKDOWN is run interactively, and 'suggest' values or options for the system manager to use. The system manager is always prompted to determine if a change should be made, and the LOCKDOWN procedure does not make any changes without first consulting the system manager. This is key to the understanding of LOCKDOWN. INSPECT will not change anything that you do not approve. When used in this manner, the system manager will find LOCKDOWN to be very helpful as all the necessary commands to correct a security issue have already been set up. All the system manager has to do is approve the processing of them. By regularly running INSPECT, and reviewing the LOCKDOWN file, the system manager will become familiar with what needs to be done, and should find the LOCKDOWN feature helpful.

'On a test Micro-VAX, with only 8 accounts, INSPECT generated a 75 block command file of DCL code. Larger systems and clusters will generate a much larger file. System managers are encouraged to carefully read and utilize this code. Some of the items that the LOCKDOWN code can do for you by default are:

'Ensure that all non-privilege accounts have a password minimum of 8 characters.

'Ensure that privilege accounts have a password minimum of 15

characters.

*Delete SYSUAF entries for SYSTEM, SYSTEMST_CITG, and FIELD.

*Modify SYSOGEN LOG (login parameters).

*Ensure that all accounts expire.

*Rename the DECnet SYSUAF entry to DECnet\$SERV.

*As indicated in the INSPECT v2 installation, the system manager is cautioned against blindly running the LOCKDOWN procedure. Careful evaluation of the procedure's contents is encouraged. It is possible that the LOCKDOWN procedure may affect other layered products on your system.

For example, LOCKDOWN inserts commands to start VMS accounting. If you are running on a smaller VAX, i.e. MicroVax or a 3100, you probably have 'hard' disk space, and probably don't want ACCOUNTING running. In this case, when you are prompted by LOCKDOWN regarding the running of VMS ACCOUNTING, you would use the default, 'N'. In this case, LOCKDOWN would not start accounting.

...Every 28 days, at minimum, INSPECT will check your system and send a token to the Security Office. The Security Office is a special node that is set up to receive these tokens of information and process them. Within Central States Region, a node is being set up that will be the focal point for INSPECT tokens. The Security Office will be able to track nodes throughout the Region, and ultimately Corporate Security will be able to track the entire EASynet. Nodes suspected of being open to intrusion will be contacted and

required to take corrective measure.

Perhaps one of the more important features of the Security Office is its ability to generate mail messages. Security managers will be able to review the results of the INSPECT tests quicker, and can utilize the automated features of the Office to mail discrepancies to both the System Manager and the cost center manager. The office can generate 3 types of e-mailed reports:

1. A report of all nodes that have issues.

2. Generate VAXnodes directly to system managers, with a copy to the cost center manager, for every node that has an issue.

3. Generate mail memos sent directly to System Managers, with a copy to the cost center manager for

"Agents are generated by the inspectors, and carry out the actual investigation."

Missing Tokens. This memo indicates that INSPECT either is not running on your node, or has not been installed.

...INSPECT will be used in conjunction with XSAFE. In fact, XSAFE now checks for the installation of INSPECT on your node. Any node that does not have INSPECT installed will be flagged by XSAFE as a violation.

*For those who may not be aware, XSAFE is an external tool used by Corporate Security to test every node on the EASynet each quarter. XSAFE actually attempts to break into a node

by logging into known accounts that should be turned off. It checks file privileges on system and network files, and performs other security tests. At the end of the test, the results are VAXmailed to the SYSTEM account where the system manager can read it and correct the issues. Additionally, the results are sent to the master XSAFE database. Quarterly, a report is generated showing the results of all XSAFE testing in the geography. Nodes which contain failures are contacted and requested to address the violation.

...Hidden areas are actually 'small' or local DECnet areas within larger DECnet areas, and are used to place additional nodes on the network when network space becomes scarce. A single large DECnet area may have many, smaller hidden areas. The hidden area is separate from the EASynet, but connected via a pass-through server. This server allows the hidden area users to access systems and data much as any other system, except they must pass-through the server to get to it.

When installing INSPECT, systems in a hidden area should consider their Security Office to be their pass-through server. That is, the system that connects their hidden area to the EASynet serves as the Security Office for that hidden area. When INSPECT is installed, merely point it to the pass-through server. System managers responsible for pass-through servers will need to install INSPECT indicating that this node is a pass-through server. This indicates that the server will need to take the INSPECT token it receives and pass it to the Central States Security Office node.

...All EASynet nodes must continue to run SECURIPAK. Nothing

changes with regard to this utility. All system managers should have SECURIPAK installed and running on their respective nodes, and should be reviewing the reports generated by this tool. In comparison, SECURIPAK runs each daily and delivers reports to the system manager. SECURIPAK looks a level login failures, and other items as selected by the system manager. INSPECT, on the other hand, does not run daily, it runs as scheduled by the system manager. INSPECT digs deeper into the system, and communicates its findings to the Security Office, SECURIPAK doesn't. These two tools, when combined, will make it easier for the system manager to ensure that their system is secure.

...Any time that you suspect that your system, or the EASynet has been compromised, do the following:

*A. Use the VMS AUDIT command to dump the audit log: \$ANALAUDIT\$SOURCE-DATE=OUTP UT=filename:SYS\$MANAGER.

*B. Mail this log electronically to ANCHOR:NETWORK. Include you (a) name, address, and DITN.

*C. Call Network Operations and inform them of your situation.

*D. Call Central States Regional Security.

*E. Keep communication with regard to the incident within a close circle of individuals. Do not spread information regarding the incident that may or may not be true. You might not have a problem.

...System managers now have both SECURIPAK and INSPECT to use in securing their systems, as well as VMS Security features such as AUDIT. When combined with the external testing of XSAFE, the EASynet will become a much more difficult target for hackers to penetrate.*

the class struggle

We have obtained internal documents from Bellcore which go into some detail on CLASS services that are being offered around the country. Because these services are of growing concern to our readers and much of the population, we will share the information here.

Caller ID is referred to here as Calling Number Delivery (CND). A revenue-producing service intended for residential and business telephone customers.

When CND is activated on a line, the DNS (Directory number) of terminating calls are transmitted to the called CPE (customer premises equipment). For an interoffice call (calls between two different central offices), the caller's DN is transmitted from the originating Store Program Controlled System (SPCS) to which the calling party is connected, to the terminating SPCS to which the called party is connected during call setup. It is then transmitted from the terminating SPCS to the CPE during the first long silent interval of the ringing cycle (between the first and second interval of silence lasting 3 or more seconds. For an intradial call (calls within the same central office), the caller's DN is retrieved from SPCS memory for transmission to the CPE. Then, depending on the options offered by the CPE, the DN is displayed and/or printed out. The CPE might also be arranged to store the DN for later retrieval by the customer. These options are transparent to the SPCS. I.e., the SPCS performs the same actions for each case. For both interoffice and intradial calls, transmission of CND data from the terminating SPCS to the CPE should never take place while the CND customer is in an off-hook state.

Early CND service allows the called CPE to receive a 4-digit or longer Personal Identification Number (PIN) instead of the calling DN. The PIN would be dialed by the calling party as part of the calling sequence. Receiving a PIN would indicate that the call is from someone that the called party probably wants to talk to, even though the call might be from a line having a DN that would not have been recognized if displayed to the called party (e.g., a toll line).

In each of these cases, the data transmission is provided via a simpler, unencrypted digital interface (MIDI). Requirements for this interface are defined in TR-TSY-000083, SPCS-to-customer Premises Equipment Data Interface.

Although not offered initially, it might be desirable in the future to provide an interface to Directory Assistance or another database so that the calling party name instead of the calling DN can be determined and transmitted to the called party's CPE for display.

If possible, an attempt should be made to retrieve a partial calling line DN (e.g., less than seven digits for intra-NPA calls, less than ten digits for inter-NPA calls). If the complete DN is not available due to a lack of Common Channel Signaling (CCS) connectivity, if a partial DN is determined, it should be transmitted to the CPE. The NPA portion of a partial DN should always be included in the transmission to the CND customer's CPE, even if the call is intra-NPA. If neither a partial DN nor a complete DN is available, an out-of-service/DN-unavailable (O/U) indicator, signified by the letter 'O', should be transmitted to the customer.

The following describes responses to irregular user action during activation of CND.

The customer may dial an incomplete, nonexistent, or erroneous feature activation or deactivation code when attempting to enable or disable this service. If the activation or deactivation code dialed for CND is incomplete or nonexistent, the customer should, as a minimum, be given reroute tone. However, it is desirable in this case to give the customer a voice announcement explaining the situation encountered. If the dialed code exists but is not the correct code for the service, another service may be inadvertently accessed. This would occur if the customer's line is allowed access to the service associated with the dialed code. To lessen this problem, customers attempting to access the CND service should be given a voice announcement verifying that the service has actually been accessed.

If a CND activation or deactivation code is dialed by a subscription customer, then reroute tone should be given.

Similarly, when dialing the activation or deactivation codes for CND, the customer may also request activation of the service while the service is already active, or request deactivation when the service was previously disabled. In these cases, it is desirable to provide an announcement explaining to the customer that the service was already activated or deactivated, as the situation requires. If this is not feasible, the customer should be given a confirmation tone.

The allowable data transmission rates for this service are given in TR-TSY-000083. It is desirable that a rate of 1800 or 1920 bits per second be provided for this service.

CND uses CCS (Common Channel Signaling) to transmit the calling line DN from the originating SPCS to the terminating SPCS. The protocol used by this feature should be Signaling System Number 7 (SS7), as specified in TR-NPL-000248, Bell Communications Research Specification of Signaling System No. 7. This feature should be capable of functioning on an intradial basis if the office is not served by a CCS network.

Customers offices equipped with SS7 should include the calling DN in the address information field within the calling party address parameter of the Initial Address Message (IAM) for all EOC (Bell Operating Companies) and IntraLATA interoffice calls placed over trunks served by SS7. In addition, the calling party address is a private number or is a CN from a line having the calling number privacy feature active, the presentation indicator field in the Calling Party Number Parameter of the IAM should be set to '9' (i.e., presentation restricted). A terminating office should expect to find the calling party address in the IAM if the IntraLATA call setup path does not involve an interexchange carrier and is served entirely by SS7. TR-TSY-000317, Switching System Requirements for Call Control Using the Integrated Services Digital Network User Part (ISDNUP) states that the calling DN is a required field in the IAM.

CND is not available on operator-handled calls.

Special customer-initiated testing does not have to be provided; the customer is normally able to determine if the service is operating correctly when an incoming call is received. However, it is a desirable option to

allocate a DN within each SPCS equipped for CND (the DN to be specified by the label that the customer can dial to receive a sequence of test data messages. This gives the customer a more positive testing mechanism and can prevent some customer trouble reports. If the customer testing capability is to be provided, the customer should be able to dial the special DN, hang up, and receive a series of test data transmissions designed to check the capability of transmitting any digit in each position. The first test message should begin within 10 seconds of the customer disconnect and should contain the pattern '0123456789'. The remaining nine messages should rotate each of the digits (0 through 9) in each of the digit positions. Two additional test messages should transmit the letters 'P' and 'O', respectively.

All of this only scratches the surface. There will be many more details to reveal. You can obtain a free listing of Bellcore documents by calling 800-551-CONE and asking for document SR-TSY-000264.

Caller ID decoders are now available to hackers in kit form. International Micropower Corporation (800-999-5911) sells the IMC-CID-1K for \$68. It decodes the Caller ID data stream and converts it to the RS232C serial format. MS-DOS software is available for \$6.50 that displays and logs all data to disk. The unit (also available assembled for \$45.50) is much less expensive and similar to commercial PC-compatible Caller ID decoders costing hundreds of dollars. This device allows you to actually study the actual binary data stream.

2600 Needs Writers!
Send submissions (articles, clippings, etc.) to:
2600 Editorial Dept.
PO Box 99
Middle Island, NY
11953

The hacker has called a phone number. The phone's answered and some words are exchanged through the transceiver of the modem. The computer asks what is this? The hacker replies this is so and so. The computer says how do I know this is so and so. The hacker replies I've passed me around open when you called before. At this point the hacker asks if you'd like to have some of a program. The hacker offers a copy of his own program that has gotten from friends, found on another computer, etc. Hearing this, you say the computer says okay, you must be so and so. Now ask me whatever you want. The hacker now has use of that computer. By face program because he has sent the right combination of words. At this point the hacker reads information that is stored on the computer. He decides he wants a copy of a certain document and the computer says okay, since you are so and so, you can have it. The hacker is not stealing. It is just there on the computer. He has an exact copy, made just for him. The hacker is done now. He has made his words and hangs up the phone.

What has happened? The computer has given the hacker a exact copy of some text the hacker requested over the phone, thinking the other was someone else. The hacker has lied and said, you I am so and so. Give me a copy of that text. The hacker has talked the computer, but has he broken a law? If so, by the law he has broken legal? That is, does a federal government's fundamental laws hold down in the Bill of Rights?

In my opinion, the hacker hasn't broken the law, while the hacker has done it what collection requires, private detective, and makes research, occupation, do all day long. They said someone up saying they are someone else and if the person who answers the phone is reading enough to give out information over the phone, then the other has allowed the goal and received the information he wanted. This may not be very clear, but it is hardly illegal. People who hook up computers to the phone system a good example that they are hooking their equipment into a public system that anyone in the world with a phone can get it. If someone is an idiot with you information, you should take precautions to protect it. The world is filled with people who act in a way you may consider to be unethical or not nice but they're not breaking the law. Each side of the issue should recognize that all laws including The Bill of Rights are just words of men and women who want to make you behave in a certain way. Laws are just a way of educating people over people who disagree with the law maker. If you disagree with the law you should be stripped of the power behind the law. You should be taken down to a point where you struggle between the two parties. Behind all laws is the threat of violence and imprisonment. In breaking the rules you can be held of controlling the best that exists behind the law.

Computers are stealing services that are radically changing the pre-established power structure. Disrupt a fight for the power.

Scott Alexander
San Francisco, CA

We've been living the fight for more than seven

years now. The more people we drag into it, the better. Above all else, we have to fight the stereotypical historical view of the hacker as a very shallow white-punking of the technology. We hope more people think the hacker through as you do!

VERY CONCERNED

Dear 2600:
I have bought ten issues of your magazine and find it interesting and enlightening. I hope to be able to contribute an article someday. I have only your words that you are not in fact, some FBI/SSA/AT&T that obtain hacker's names and addresses. You really should gain some information on your operation to provide some feedback to your readers that this is not the case. The FBI/SSA/AT&T? Could the FBI be monitoring this? Do you have a back channel? Do you call 2600 from commercial locations where permission can be tracked from source to destination? Is there someone assigned to your hot line to be triggered in case of a plain language (and possibly) code word to leave?

Anyway, keep up the good work. It is appreciated.
Quantum
Atlanta, TX

But I've not running a covert operation here. Everything we do is open to public scrutiny. Our mailing list though has never been made to anyone outside of 2600. Of course, the post office could be writing down every name that ever shows up on a copy of 2600. If that would be possible and certainly not company. If you have a source that is just the government would be usually launch investigations into everyone who received interesting mail. The way to fight such operations would not be by hiding and allowing it to continue. Challenging scrutiny is our obligation, particularly if that scrutiny is being abused.

Interesting Numbers

Dear 2600:
The ANAC number for the 702 245 Vegas area is 449. Also, the number 662 turns out the phone for a couple of minutes. It is tied to 681 681 at a telephone that is a long line and not have and which people wonder why it doesn't work. Our question: what are COCCOT numbers? And do you have any of them for Vegas? How can I find them?

Number 204
Las Vegas, NV

COCCOT's are Customer Operated Cost Operated Telephone, in other words, when you call someone that nobody understands. They frequently answer with some sort of computer when they are called. The computer can do all sorts of things. We all have had such things if you allow you to operate and change the firm, etc. Some even allow you to change rates, change the firm, etc. Some even allow you to change to an other area surrounding the phone. Most COCCOT's don't have phone numbers printed and refer to ANAC numbers are generally disoriented. You

might be able to get an operator to set you for number 2600. My best way is to call somebody's address and have them change their area code for 2600. The number will be printed out. By the way, number ANAC for Las Vegas is 383-2642.

COCCOT THEORIES

Dear 2600:
When I received the George W. from Canada and noticed you were a Philadelphia COCCOT (someone in Center City - I'd have to find it myself), I decided to do some digging of my own. Here are the results of some of the calls I made:
COCCOT 1: 762-215-6681/344-9189/CA4107-9522/901-0613/9103334-0000011/@7255465134-809568-CA4107-9522/06959-0213/000751-909000781
NO COCCOT 2
COCCOT 3: 762-215-6681/344-9189/CA4107-9522/901-0613/9103334-0000011/@7255465134-809568-CA4107-9522/0714910618103537-9000001281
NO COCCOT 4

[Believe me for the theory your source did about the 6th field (90900781) being the number of calls made the day it happened. On Friday the 16th, I made several calls to your phone to acquire the diagnostic information (ie my Trade ID# - I gave the whole order word always be handy) and the 6th field was 000781 and 000781.

However, the second field did change - by increments of 25. I believe that the second field is the value of charges (in cents) that the phone has received. Since a coin box can't hold \$113.50, this must either include calling and charges, or the value must be multiplied by the COCCOT service provider to the amount of the phone the machine the coin box was assigned.

Finally, to clear up the mystery in the 8th field (901-0613) it is the middle that you couldn't identify in your reply to George W. (unknown day of the week). I checked this over the course of the weekend and recognized George's name and the New York COCCOT reports from your price issue's letters, and the theory holds.

Antonia Query Philadelphia

We believe your service on the weekend field and the single digit may indeed be correct. But we still believe it's possible the fifth field is counting the number of outgoing calls. There are many programs, depending on location, that can go through an entire day without a single person using them. It's also possible that the answer is "no" if what it is, was misdiagnosed.

Valuable Lessons

Dear 2600:
This letter is intended for those people who break the first commandment of the Tenet Programmer's Ten Commandments (DIP #85) which is: "Don't use your other people's private keys." For those who don't read when those private keys, for those who don't read when they break the words of the chief special agent must

repeat his words."

Russ having something that is done quite easily here in Dallas and Quebec. All we need to do is find my phone number (handled by AT&T) that goes to the United States. The two areas to which we can refer are Springfield, MA (633) and Buffalo, NY (716)270. From there you do whatever you want and can with your best bet.

I began the hunting in 1988 and a copy of the first copy phone. In 1988 I began hunting in Connecticut. On 5/8/88 we only had Terminal and Database which both charge about \$10000. It was about 1990 to get to a local cell number at 30 cents at local. I was eventually AT&T by looking at the local number in Springfield, MA so as not to change from with an LD cell. I did all my computer hunting from a local cell to be safe, and still having the first conversation.

In 1989 I was able to call Pennsylvania. I noticed that when I forwarded my number to an 800 number in the States, an operator would come on the line to a number called (action). From this was the beginning. Bill Canada didn't know who I was, so I would give them my number except my own. This made me think that I could get away with looking at home. Because AT&T, if they received my number when dialing over the phone would have the number 1 800 to the operator. I began looking for in November 1989. I began using the State hearing techniques to call my own, anytime. It was a bit of fun.

Now I have for the Bell equipment from (DAS-100) was recording everything I dialed even on an operator with my state book. I also knew that Bell should be making my desktop soon. Bell's never came by. I got rid of my cell recording, but continued calling from home. Every once in a while I would show down, because I was making just too many calls.

Well, a clearly happened. Recently a friend of mine called me up and said that Shell Canada Security just visited him. They wanted a date with the 6th of \$3000. He was stilling 909 hours every night for a couple of hours. Then about a hour later Bell Security showed up at my door. I was asked out not profiting as I would be the door side my present getting at once. I looked down at the amount they wanted from me and then almost laughed. They only wanted \$300! They were a relief. Of course, they took all my spare change. But at least I was able to pay for it. They said that my calls for the previous month. My theory is that the computer means the dialing (66) every month when the bill is made.

I found out that for the whole 412 and \$35 ring codes, there are only three security people from Bell Canada working them. That's the whole province of Quebec excluding Montreal. I guess that's one reason why I took over a year and a half to learn to control calling. But then again maybe not. I have another theory who just started planning this record and was caught for \$80. And that's what gives a few others being caught that day. The security guy told me. I wanted to ask why a book them so long to come and get me, but of course I wasn't going to let them know how long I was doing this for.

Now if you're taking someone's key I didn't just

any that I didn't have a clue as to where they were talking about, you can't blame that on my parents. My uncle also enjoyed talking away too much.

Anyway, the point of this little story is that if you are starting from your home base, you should stop when you're asked. Hoping that Bell won't cover by just isn't enough. If you want to take that risk, so I did, then go ahead, but always be prepared to pay the price when you're covered by.

The only real barrier in this is that I don't know much about Bell. I see no longer speak to bulletin boards. Plus the guys start trying to give you a 2000 over the phone, which just isn't as easy as it sounds.

1135
Quincy

Hacking Water
Dear 2000:

We recently had a party by the local water company, as indeed all seem a new main that uses a treatment (two years) at Deerwater and then four additional (three like Western Electric, gray power cover) was run to the outside of the premises for remote reading.

As a result of some investigation, only three of the four meters are used at the aforementioned sites. The remainder in a 30 min. water pressure, 3000 psi, pump response, instead of 1000 psi.

For educational purposes, see above. (See the show on the thing we're).

103
Hiller, PA

Numbers

Dear 2000:

I found the interesting Value Marketing System at 800-971-4200. It's owned by Pillsbury, Kellogg, and Nabors. Multiple numbers are four digit, one part with 85. Another number is for those great old TV commercials so they can empty out your wallet the 90's way. It's at 800-773-5687. Also, Dave's 1 COXOT at (604) 238-4798. Hit 0 to run on the telephone and hear what's going on.

American Authority
Virginia

Another MCI Ripoff

Dear 2000:

MCI is here to save you money. A new service introduced by MCI allows you to have MCI bill you for "regional" calls. So, calls within your area code. The beauty is that your volume discount would be maintained for the regional and long distance and 800 calls. The reality of the matter is increasing however. For example, I call from Annapolis, Md. to Libertyville, Illinois for 11.8 minutes at 6:23 am. I billed \$1.43 by MCI and \$1.17 by Earthlink. The volume discount would reduce the MCI charge by about 14 cents. The MCI way of doing

business is a real LOSS of over 65% percent. So, remember, MCI's concept of saving money with this program is based on the reality of their rates.

OR
Libertyville, IL

The Value of 2600

Dear 2000:

One of the great values of your mag is that the book issues I have saved are always full of things I didn't understand a year ago but are understood now.

One to point your article on UNIX was really interesting to me in the winter of 1989, but a newly required Internet account makes it even more interesting.

OR
New York

We've always put out the magazine so it doesn't become outdated. While operating queries may change, the basic information is of constant value. And for speed of editing later if all together.

Distributing Observations

Dear 2000:

I found a more interesting feature of many BIX's and similar private networks. When talking to them, they are usually, but not always, identifiable by being either a circle or diamond in a network than direct ID exchange.

The problem is that I have almost never used the ID exchange for a computer call before the person actually answers. This becomes even more annoying when getting charged for long distance (which is how I discovered the problem in the first place). This is also annoying when getting the "number you had reached is not a working number or not complete" message.

This does not always occur, but it seems common enough of a problem to warrant concern, and perhaps, explanation.

My other discovery involves the ANI, available to 800 service users. I got a message on my answering machine to call a person at an 800 number. My ID was given to me when the company was.

When I called back, I found out it was a credit agency trying to locate me about some past bills (which were disputed, but not the company's).

The next day my fax number, which was the first I had called out on, started getting repeated twice phone calls. Seems one of them started down by ANI of a number like fax line, and decided they could use it in some way.

OR
Fresno, CA

Whoever can tell you if you will then to stop asking you if they consider you a repeat alien for harassment, it's as simple as that.

The address to send letters is: 2600, P.O. Box 99, Middle Island, NY 11953. On the network, mail to 2600@well.sf.ca.us

Last issue one of our readers appreciated for bank identification numbers (FINRA). We've received several small lists used one huge one for Mastercard. We'll post with the Mastercard half for \$5 and if we get the Visa half, we'll offer it all for \$10. Meanwhile here's a small sampling.

- Here's a list of some firm's Bank Identification Numbers that appear on credit cards. Numbers beginning with 4 are Visa cards, 5 are Mastercard.
- 4013 BANK OF BALTIMORE
 - 4013 CREDIT CHASE
 - 4019 BANK OF AMERICA
 - 4024 BANK OF AMERICA
 - 4027 ROYAL BANK CANADA
 - 4032 HOUSHELD BANK
 - 4080 ASSOCIATES NATIONAL BANK
 - 4080 SECURITY PACIFIC
 - 4071 COLONIAL NATIONAL BANK
 - 4084 ANFC FEDERAL CREDIT UNION
 - 4094 DODGE SERVICES CREDIT UN
 - 4102 VALENTY NATIONAL BANK
 - 4114 CHEMICAL BANK
 - 4131 ALABAMA USA FEDERAL CRE UN
 - 4121 PA STATE EMPLOYERS UNION
 - 4121 PENN STATE EMPLOYERS C U
 - 4131 TARRANT
 - 4122 UNION TRUST
 - 4128 CITIBANK OF SOUTH AFRICA
 - 4226 CHASE MANHATTAN BANK
 - 4229 COOPER STATES
 - 4224 NATIONAL BANK OF MONTREAL
 - 4234 SECURITY FIRST
 - 4231 CITIBANK
 - 4261 KONGSIAN BANK
 - 4210 BNCU
 - 4311 FIRST NAT BANK LOUISVILLE
 - 4312 SARBNET BANK
 - 4312 FEDERAL TRUST
 - 4316 PRINCETON BANK
 - 4320 STANBACH UTD
 - 4317 FIRST TIER BANK DUBAIA
 - 4337 FIRST ATLANTA
 - 4382 BANK ONE INDOVAPOROUS
 - 4317 FIRST AMERICAN BANK
 - 4330 PRINCEWELL BANK
 - 4342 INDIANAPOLIS BANK
 - 4371 DOMINION EUROPEAL CREDIT UN
 - 4381 SAVITEL CREDIT UNION
 - 4388 FIRST SIGNATURE BC & TRUS
 - 4388 TEXAS INDEPENDENT BANK
 - 4401 GAIETY APPLICATION BANK
 - 4413 PRINCE BANK UNION IN
 - 4421 INDIANA NATIONAL BANK
 - 4428 BAY HARBOR BANK
 - 4438 CHOICE
 - 4485 SECURITY BANK AND TRUST
 - 4442 MICHIGAN CRYCH BANKS TRUST
 - 4447 AMERINTHIST
 - 4453 HARPER APPLIANCES FBO DU
 - 4453 PORTLAND TEACHERS C U
 - 4488 REPUBLIC SAVINGS
 - 4502 CBC
 - 4501 COMMERCE BANK
 - 4506 BETHUNIA S.L.K.
 - 4510 PEVAL BANK OF CANADA
 - 4520 TORONTO DOMINION OF CAN
 - 4537 BANK OF NOVA SCOTIA
 - 4539 BANK OF NOVA SCOTIA
 - 4539 BARCLAYS
 - 4544 TSB BANK
 - 4570 CIBAC
 - 4570 CITIBANK
 - 4584 BANK OF QUEENSLAND
 - 4578 FIRST CARB
 - 4707 COMBASS COUNTY TRUST
 - 4719 ROCKY MOUNTAIN
 - 4721 1ST SECURITY
 - 4726 WESTLIS FINSCO
 - 4784 ALBT
 - 4800 MISSO NORTH AMERICA
 - 4815 MACOM FEDERAL CREDIT UNION
 - 4835 IBM MID AMERICA LED CR UN
 - 4835 U.S. BANK
 - 4832 SECURITY PACIFIC WASH
 - 4971 HONG KONG BANK
 - 4971 NATIONAL BANK
 - 5171 FIRST BANK CARD CENTER
 - 5171 BANK OF MONTREAL
 - 5217 CITIDIRECT FIRST NAT OF NJ
 - 5217 MANUFACTURERS HANOVER
 - 5217 UNION TRUST
 - 5234 MIDLAND BANK
 - 5234 NAT WESTMINSTER BK LONDON
 - 5230 HARRIS TRUST & SAVINGS BK
 - 5202 SECURITY BEAMTANK BK
 - 5238 SOUTHWEST BANK
 - 5242 CREDIT UNION 588
 - 5238 NATIONAL BANK OF CANADA
 - 5238 CANADA TRUST
 - 5239 FIRST TRUST
 - 5239 BAY BANK
 - 5239 PRINCE
 - 5239 MARYLAND BANK OF N.A.
 - 5239 MEXIA
 - 5238 BANK CHIO NATIONAL BANK
 - 5231 PROVOCENT NATIONAL BANK
 - 5233 COMMERCIAL BATH BK AUSTRALIA
 - 5239 COSE STATES
 - 5239 AT&T
 - 5230 AT&T UNIVERSAL
 - 5402 WE SHIPAC BANKING CORP
 - 5410 CITIBANK
 - 5414 LAYVEL FEDERAL CREDIT UN
 - 5414 STATE STREET BANK & TRUST
 - 5415 UNION BANK
 - 5415 CONFEDIA
 - 5418 PROFER BANK
 - 5417 ASSOCIATES NATIONAL BANK
 - 5417 BANK OF NEW YORK
 - 5418 HOUSEHOLD BANK OF CALIF
 - 5418 HOUSEHOLD BANK CALIFORNIA
 - 5420 CITIBANK NATIONAL BANK
 - 5427 HUNTINGTON NATIONAL BANK
 - 5428 UNIVERSITY CREDIT UNION
 - 5428 C.B.T
 - 5429 CITIBANK
 - 5430 CHASE MANHATTAN BANK

SECRET FREQUENCIES

by Bernie S.

In the February 8, 1991 issue of "The Leader", an internal newsletter for employees, NYNEX published an article entitled "NYNEX Receives Licenses to Test New Wireless Technologies". In it, Paul Donovan, staff director of NYNEX Science & Technology, was quoted, "Radio technology in the local loop may provide a cost-effective alternative to copper wire" and, "It may also facilitate the provision of new services, adding mobility to our customers."

In a subsequent interview, Donovan conceded that while the FCC (Federal Communications Commission) granted the frequencies for testing specific applications, NYNEX wanted to grab "as many frequencies as possible" to "get (NYNEX engineers' creative juices flowing" so that they "would have plenty of frequencies to work with if we come up with

something...."

Despite the appearance of deception (or outright fraud), Donovan justified NYNEX's actions, saying "there's a big market for wireless technologies." Later communication with Donovan and the FCC uncovered specific radio frequencies and locations for testing. 2600 readers in Boston, New York, White Plains, and elsewhere with radio scanners or other VHF, UHF, and microwave receiving (or transmitting) equipment may want to "tune in" on the telephone

company and report on their activities. Mobile and fixed station authorization is granted at power levels up to one watt on the following frequencies. Some Time-Division and Code-Division Multiple Access (TDMA and CDMA) digitally-encoded loop access experiments on 1.858-1.990 GHz are scheduled to begin in mid-1991 and on July 1,

1992. (Read "CDMA: It's Not Just For The Military Anymore", TE&M Magazine, Nov. 15, 1990 for an

explanation of these technologies.) The call signs to be used are KP2XBW, KP2XBX, and KP2XEG. Paul Donovan can be reached at the NYNEX Science & Technology Center (914) 644-6165. The FCC can be reached at (717) 334-7059.

For those interested in just who the FCC has allotted (or sold) the electromagnetic spectrum to lately, a nice 32" x 51" color wall chart covering 3KHz-300Ghz is available for \$2.75 from the U.S.

Government Printing Office, 710 N. Capital Street NW, Washington DC 20402. Ask for publication number 003-000-00652-2. For other frequencies and information on monitoring techniques and equipment, Monitoring Times (704) 837-9200 and Popular Communications (516) 681-2922 are excellent sources.

NYNEX Science & Technology Experimental Radio Frequencies

VHF (MHz)
152.510-152.810
152.486
152.834
152.840
157.770-158.070
157.746
158.094
158.100

UHF (MHz)
454.375-454.975
459.375-459.975
825.000-845.000 (illegal)
849.000-851.000
862.000-866.000
864.000-868.000
870.000-890.000 (illegal)
901.000-929.000
931.000-932.000
940.000-941.000

Microwave (GHz)
1.850-1.990 (loop access)
2.110-2.130
2.160-2.180
2.400-2.4835
3.700-4.200
5.725-5.850
5.925-6.425
10.700-11.700
13.200-13.250
17.700-19.700
21.800-23.200
21.200-23.600

411 - news about phone companies

Regulating Scams

A Senate subcommittee has been peroxide with computerized phone calls that try and sell things to people. The Senate Commerce, Science, and Transportation subcommittee heard a whole swarm of complaints from witnesses and senators. Legislation has been proposed by Senator Ernest Hollings (D-SC) to ban computerized sales pitches to residential telephones. Hollings discovered the free speech concern, saying, "The right is one of privacy for the individual in their home. I don't know of anyone who places a phone in their house in order to receive commercial solicitation." In a bid for a sound bite, Steven Hahn, South Carolina's Director of Consumer Affairs, said, "Computer calls are now the modern form of telephone terrorism." Robert Bullock, president of the Privacy Citizen phone consumer group, stated poetically: "We are nothing more than sources of revenue to an industry that has lost its social compass. This sort of social industry will swallow us... by using our conditioned responses to answer the phone as if we were reaching more than a fictional dog with pulley." Wee.

Meanwhile, New York's Public Service Commission is finally taking action against private payphones that don't connect customers to several telephone company operators. A FCC survey showed two thirds of the independent payphones in the state don't even "0" calls to a local operator but rather to a company operator who often hasn't a clue as to how to handle an emergency call.

And, speaking of scams, according to the New York Daily News, the Post Authority of New York/New Jersey is actually making a contribution on fraudulent phone calls. Since they make 18.5 percent on each call from payphones located in the Port Authority Bus Terminal, it's estimated they're clearing more than \$2 million in profits from these calls. That's more than they get in most from retail wires in the structure.

The FCC is finally introducing a proposal that providers of 900 service introduce each call with an explanation of the cost involved. If the customer hangs up at that point, he will not be charged. A final decision is expected by the end of the year. Owners of 900 numbers have come out against the plan, saying that people could hang up without good reason. Go figure that one out when you find time. Meanwhile, we'd like to propose a compromise: "Save more waiting systems are

becoming integral and filled with intelligence, it should be possible to begin relaying pricing information while the normal call is being routed. In other words, your central office would see a call to a particular 900 number being placed, would consult a pricing table, and, while the call is being routed through the long distance lines, would play a recording to the caller. Of course, it's only a matter of time before some clever programmer, sitting in a suburban area for all other calls, perhaps we shouldn't say any more.

AT&T Wants The World

AT&T wants to get permission from the U.S. government to start providing phone service to Vietnam; one of three countries that cannot be called from the United States. (The others are Cambodia and North Korea). AT&T says that international operators are providing service through Canada, Japan, France, South Korea, Hong Kong, and Australia and they're making lots of money in the process. We can imagine AT&T's frustration being funnel to steel on the sideliner.

Advances in the U.K.

British Telecom has introduced what it calls a "bribe" system of paying for calls to directory assistance. Customers who use the service will be charged 37.5 pence plus 25 percent tax for up to two numbers. Now, after making that, you would think that you would get charged that rate for two requests. Not so. Whenever you use directory assistance, you can ask for up to two numbers. Most people, however, use the service to get a particular number they need at the moment. So, despite BT's clever way of phrasing it, it's likely the service will cost 37.5 pence per request. It is a rather inventive way of making less seem like more. Phone companies in the States will no doubt take note. By the way, calls to directory assistance from pay phones and from blind or disabled people will still be free. And rates for various other calls will be reduced slightly to make up for the new charges. BT has introduced a couple of services for those people who use directory assistance heavily. Phone Base gives them direct access to the company's computerized system and Phone Disc is an electronic version of the phone books on CD ROM.

One allegedly positive move that BT has made recently is to eliminate the overcharge on when calling cards. Known as 311 Chargeback, Cardholders can just dial 144 and follow voice

THIS PAGE IS NOW
RESTRICTED

One of the more interesting pages taken from a proprietary phone company document. We intend to shamelessly spread this one around until its value plummets like a rock.

process to enter their account number, PIN code, and phone number they want to reach. They will be charged the same rates as a regular payphone call, which we hope is fairly close to residential rates. If not, then this is just minor despoilage.

Last year, British Telecom's bank network became "the first telephone system in any major industrialized country to become fully digital." Now they've hit the halfway point in switching their local exchanges from electromechanical to digital. Yet only 75 percent of BT's customers have the capability of getting digital bills.

And just as in the United States, people in England are having problems with "personal" services that bill huge amounts of money to unsuspecting customers. The special area codes for these services are 0894, 08364, 0839, 0881, 0096, and 0077 (0800 calls are still free.) In the areas that have been digitized, it is now possible to block access to these numbers. Still more proof of evolution. By the way, the cost of pressing the right computer key to accomplish the blocking will be underwritten by raising the rates of the blocked numbers.

New Services

Sprint has a new service called 999 to 800. Transfer the above callers dialing a 900 number to be transferred to a toll-free 800 number. Why would anyone want to do that? The thought is the caller will dial a 900 number to get information about a particular item and then be transferred to an 800 number when they agree to buy it. The caller only gets charged for the time spent on the 900 number, at least in theory. The only way to really find out is to keep a pen, pad, and clock by the phone at all times.

Another new service Sprint is offering is the "Answer Direct." It's called Answer Direct and it does what AT&T and the regional Bells have been doing for years: dial the call from the sender. The called party picks up. Many hotels currently use the equivalent of a pen register tied into a computer. If you stay on for a certain amount of time, it's assumed that the call was answered and you get billed. Accuracy tends to go out the window in hotels because of the need to bill quickly. The new Sprint service will work in conjunction with the hotel's existing time system.

New York will be the first city in the United States to test out prepaid charge cards on its payphones. First in Europe and Asia, charge cards (called NYNEX Charge Cards) will be available for sale at newsstands and other stores. Each phone will have a little screen that displays the amount remaining on the card and as each call

progresses, that amount will go down. The use is scheduled to begin in September with 60 to 80 phones. We hope they avoid the mistakes made in countries like France, where it is impossible to use any payphone without a card. If cards, for whatever reason, are successful, there are no alternatives. We would have to see such an expensive system forced down our throats.

Another technological advance is being underway in the British Bell. Customers are now able to pay their bills over the same phone line they're paying for by calling an 800 number and entering their secret ID, they can transfer money directly from their checking account to the phone company. Would you trust the phone company not to enter false numbers into their own books since they obviously have all the information they need to get at your money?

The new AT&T calling cards are out. "In order to comply with government requirements, AT&T is no longer sharing card numbers with your local telephone company," the numbers read. As a result, we now have 14 digit numbers that bear no resemblance to telephone numbers. But, contrary to what they say, these new numbers are accepted by New York Telephone, which at last report was a local telephone company. For a "demonstration" of your calling card, you can call 800-255-1439. All cards seem to begin with 806 or 838. The next digit is either a one or a zero. The six digits can be any number. The last four comprise the PIN. They, too, can be any number. Each card also has an international number which begins with 891233 followed by the card number without the four digit PIN. One number follows this which is a check digit. Then there is a two digit authorization code at the end. There are two other formats for the AT&T calling cards. One has 21 digits and always begins with either 891338 or 891251. This is followed by ten digits, a check digit, and a four digit PIN. Then there is a 17 digit version that begins with either 238 or 219, followed by ten digits, then a four digit PIN.

Spacelink Mail will be testing out a service called Message Express from its payphones. Customers will be able to leave a message when they encounter a busy signal. If you're in a number that will be passed on to the phone and have a one minute message, Payment will be by credit card only. COCOTs have been offering similar services for quite some time. We presume Spacelink Mail will have an advantage since they can instantly detect when a phone is no longer busy, while COCOT companies have to keep trying to get through periodically.

Corporate Litigation

In one of the silliest cases we've heard of in a while, Mitsubishi is trying to sue AT&T because of security problems on an AT&T System 83 PBX. More than 50,000 unnumbered calls to places like Panasonic and Fujitsu were made at a cost of more than \$400,000. Mitsubishi is claiming that AT&T never told them something in this could happen. According to one of Mitsubishi's lawyers, they were completely unaware that their system was vulnerable to attack. We believe they should be included with that as part of a slogan, "Mitsubishi: We're Completely Unaware." If AT&T had refused to help them, or if their equipment was impossible to safeguard, we could see Mitsubishi's point. But here it seems like they're just trying to pass the buck and get out of paying a huge bill for their ignorance. While we're on the subject of ignorance, or should we say malice, we heard that New York, New Jersey and New York State Police investigated Donald DeLuca have reportedly learned that so far as to define phone phreaks as people who often make their living from figuring out how to make free calls. We don't regard people who are so completely out of it as criminals, when a phone phreak is. But we cannot tolerate having that sort of lies spread for the purposes of selling papers or getting someone more easily.

The flavor of London is no better. They define phreaks as "people who steal computer passwords to break into international databases and use services illegally." According to them, George Soper received a phone bill for 8,000 pounds because he was somehow given the password to British Telecom's Dial Four service which allows callers access to international computer services via a free call. His password, incidentally, was Spacelink. Dial Four customers have to sign an agreement saying they will not use easily guessable passwords. But Mr. Soper had signed up for the system prior to that and in addition, BT had approved the password themselves. We see the phone company as being responsible for the charges incurred, primarily because that is a consumer-based service. Different rules have to apply to these kinds of situations. You cannot penalize someone a huge amount of money because they chose a "easily guessable" password, a company that is in the phone or computer business has the obligation to see to it that its users are utilizing adequate security. If they fail to do this, as Mitsubishi apparently did in the case above, then the penalty is theirs.

In another pair of lawsuits that shows how we

of control the telephone industry has gotten, AT&T is suing a COCOT company for not paying more than one million dollars of fraudulent charges. The company, North American Electronics of Great Neck, New York has turned around and sued New York Telephone for not giving COCOT companies a fair deal. In an interview on WBAI's City 2000 Week, North American Industries President Barry Bertram said that fraud is an especially big problem for independent pay phones. The installation that very recent in most cases. All a person has to do is clip into the connection before it reaches the payphone and they can make all the calls they want. Since the payphone industry is completely within the COCOT, anyone getting access to the line before it reaches the COCOT would run into any restrictions. By contrast, New York Telephone payphones are controlled from the central office. No matter what someone taps into it, the phone company knows it's a payphone and won't allow calls to be placed without the proper units or keys. It may be a wild guess on our part but perhaps when independent pay phones and alternate long distance companies are given the same access to technology that the regional Bell companies and AT&T have, they may stop fighting people off so much. Right now, it seems to be the only way they can stay in business.

A great example of this is currently making the rounds. It seems that AT&T has a three digit calling card 154 (it being any number) followed by a 4 they will allow any zero gets call to go through from home phones. (We're told all it does is call back to the originating number.) There does not seem to be any regional Bell pay phones that do not work from a lot of COCOTs. Which means that again the COCOT owners are getting such, this time directly by AT&T.

COCOT and PBX Features

We thought you might be interested in some of the features being advertised in COCOT literature. Selling private features: being able to accept tickets, dinner, and quarters (usually, some symbolized instructions: optional coin free access to the operator, emergency services, and 800 numbers (one can't understand why any payphone operator would want. It should be allowed to make essential services optional - this "feature" should be illegal); being able to detect busy signals, answer supervision, ringing, and interrupt recordings; storing press speed dial numbers; and, of course, remote programming capabilities.

The CTCA (Communications Fraud Control Association) is passing around some safety tips for cooperative PBX's: Assign authentication codes

nationally on a need to have hair and limit the number of calls using these codes. Never attach codes with company telephone, station, or badge numbers. Instruct employees to safeguard their authorization codes, which should be assigned individually, not printed in billing records. Codes should be frequently changed and cancelled when an employee leaves the company. Remote access codes should be limited to domestic calling and shut down when not in use. Use the timer-of-day PBX option. Use a system-wide handler code, followed by an authorization code with the most digits your PBX can handle. Use a non-published number for remote access lines. Use a delayed electronic call response, which is the same as holding your phone ring four or five times before answering. Try backing your own system to find weaknesses, then correct them.

Story of the Year

Earlier in the summer, the owners of the Long Island Pet Chemistry in Middle Island, New York, were indicted for allegedly not burying pets like they said they were doing. Instead of putting Spots or Flulo in the ground by his/her companion, or giving the ashes to the bereaved owners, they were said to have dumped up to 250,000 carcasses in a man's grave and given cremation mixed ashes to the pet owners. Needless to say, this has not gone over well. The Long Island Pet Chemistry is right next door to 26000's pet office boxes and there have been slight demonstrations, and even riots there over the past couple of months. In addition to this, the cemetery owners are accused of gaining remote access to their competitor's accounting machines late at night in order to get the names and numbers of dead pet owners before their competitors did. It's a nasty business.

Another Great 900 Number

Our favorite press release of the week begins: "Have you ever arrived at the hotel at which you and everyone you would be staying, only to find that a mistake had been made requiring you to stay elsewhere? Has your daughter been on a camping trip at the same time you were required to leave the country, and you needed to tell her something personal first? Or did you ever want to forward an old friend only to discover that they had moved? A new service called 900 301 DOWN will do all the above problems as well as greatly expand an individual's ability to send and receive secure messages." The calls cost \$1.95 for the first minute and 95 cents for each additional minute. You would have to be a Class A Food to use this service as every aspect of it can be easily accomplished for significantly less. When you call in, you can press

1 to receive an identification number and pass word for their system. That's the only feature we can't accomplish for itself. Pressing 2 allows you to "reassign another subscriber's repository of phone numbers." This means for \$1.95 you can find out somebody's phone number(s). On the example of trying to track down an old friend who had moved that was given above, the company explains in a section that the old friend has to be subscribing to the same service! How many old friends do you suppose you've lost touch with when you subscribe to the same brand new service as you?

By pressing 3, you can leave a voice message for a subscriber. They make it clear that anyone can spend \$1.95 to leave a brief message, not just subscribers. Just like calling an answering machine, except you get to speed to each store. Plus, you have to enter the subscriber's identification code after pressing 3. We hope you have a touch tone phone. Pressing 4, entering your identification code, and entering your password allows you to receive your messages. Any delayed answering machine will allow you to do the same thing at no cost other than the phone call. Various voice mail services allow you almost unlimited access for charges of around \$15 a month. Many of these have additional services, such as paging features. If you were to call this 900 service only eight times within a month, either to leave messages or retrieve them, you would be spending more. By pressing 5, you can "update your personal phone or repository" which we presume means you can find out what they are. One of the subscribers can find out what they are. One of the standards of the communications age is the ability to convey information for free. Believe it or not, it does not cost \$2.00 plus to get somebody's phone numbers or to announce them to the public. There are too many preferable methods to mention here. The final selection can be accessed by pressing 6, which gives you "a secure, private phone line for outbound calls." Unless they're someone managed to get access to secure phone lines used by the military, most consumers who have to look far to find phone lines that cost less than 19 cents a minute (\$1.95 for the first). And, should anyone believe their calls are somehow more secure because they're being made through a third party, read our recent What's So Scary About that deal who this is not so concerning the 900 STOPPERS "service". If you believe this kind of thing is worthwhile, you'd probably be interested in the computer version, available at 900 307 PORT.

Japanese Numbers

Some "home country direct" numbers from

Japan: United States: 0036-111; Hawaii only: 0036-281; Canada: 0036-161; United Kingdom: 0039-441; France: 0036-331; Italy: 0036-391; Netherlands: 0039-311; South Korea: 0039-821; Hong Kong: 0039-651; Taiwan: 0039-686; Thailand: 0039-651; Singapore: 0039-651; Australia: 0039-611; and New Zealand: 0039-611. To make regular international calls from Japan, dial 001 plus country code, city code, and subscriber number.

Customs of the U.S.A.

According to the San Antonio Ledger, if you live in San Antonio and need to report someone who owns "gangster type" weapons such as machine guns and sawed-off shotguns, you can call 666-GRASS. The Gun Owners a Springfield, Virginia based publication took exception to the phone number. "Does the RAJE [Bureau of Alcohol, Tobacco, and Firearms] have a fascination with that number? A few years ago, the RAJE had also made a sample badge for an emblem - the number on the badge was 666. Now they are using that same number again, presumably as a way to intimidate people."

To shed light on another issue, we've heard many stupid ideas in this so called War Against Drugs. Some cities have made it impossible for pharmacists to receive calls. That way, drug dealers won't be able to receive calls and there will be less drugs. Other cities have eliminated search time pharmacies and replaced them with old fashioned neighborhood pharmacies. That way, drug dealers won't be able to see touch tons to activate their drug dealer "bargains." This will result in less drugs. Certain officials have suggested outlawing heroin. For anyone under 18, "Love Herpes" means less drugs. If by some miracle, drug dealers manage to survive in a rotary coin, coin-callback, beige-pize environment, the latest banishment will stop them dead. Illinois Bell figures that somebody putting money into a phone at night must be a drug dealer. Therefore, they are beginning a new policy in Chicago: a passer carrying books or coins will be stopped between 7:30 pm and 4:00 am. The books were originally 400 gm to 6:00 am, according to the Chicago Sun-Times. There has been no opposition to this idea. As one businessman put it, "I think it's a great idea. Anything to cut down on drugs." Anything.

The Outrages

We want you as many phone calls as we did this summer concerning the recent phone messages that affected various areas of the country. Even though you know if hackers were responsible, and even if they weren't, would they be in the future? We're told there we couldn't make any promises but it is pretty certain that such concepts and features will be commonplace in the years to come. Most of it will be due to the usual stupidity and shortsightedness on the part of those who implement these systems. As anyone who has ever installed a new operating system on a personal computer can tell you, there is always transitional problems to contend with. Without exception, for major phone companies not to have an easy way of getting around the problems that occurred when a new switching system (Signaling System 7) was implemented is nothing short of criminal. After all, telephones are life lines for many people. Yet these in charge see content to look at the absolute operation as another big computer system. According to Richard Patterson, chief of the Federal Communications Commission's Consumer Carrier Bureau, the recent failures are actually a sign of progress because they were caused by upgrades. Double-talk City.

Future state the prospect of an independent backup system was one of the questions because of the response involved. This FCC spokesman also suggested that those who needed absolute reliability should go out and buy their own backup system. About the only positive thing this guy did was say that of imposing fines on people who complain.

For the record, the problems were related. There was a flaw in software obtained from DSC Communications of Plano, Texas. It was never fixed adequately by anyone. California, Virginia, West Virginia, Maryland, Pennsylvania, North Carolina, and Washington DC were all affected at some point by the flaw.

Another Outrage

This advertisement was placed in various SL 1 week beginning June 9, 1991:

AN OPEN LETTER TO OUR BUSINESS CUSTOMERS:

At Datacom.com Bar/Whisper, we've built a high standard of customer service and we take pride in that. Unfortunately, we recently experienced a user failure in a computer system that negatively affects:

At 5:45am, about 750 W. Louisiana business customers that access to important day-to-day services. For those of you whose service was impacted, our failure resulted in a disruption to your customer. We apologize for taking you down in this instance. Although the problem occurred longer than any of us would have liked, we made every effort to see that it was fixed as quickly as

possibly. Our technicians worked around the clock logging more than 2,500 hours. To correct the problem, we entered the body of expert from across the country.

Still, how did we manage to perfect our ad system service, give our customers direct access to our ad system, and how did we manage to give our customers the best of both worlds? We did it by giving our customers the best of both worlds. We did it by giving our customers the best of both worlds. We did it by giving our customers the best of both worlds.

Roanoke, Virginia
Roanoke, Virginia
Roanoke, Virginia

Roanoke, Virginia

Among the examples of their success was the implementation of Caller ID and CI-CLASS at Bell Atlantic near Chicago. They had to turn away their customers because of the problems they had with their equipment. Customers were not very happy. And, according to experts, Southwestern Bell is not likely unless it can be proven that they did this deliberately. In addition, CI-CLASS was shut down, and banks were out of their main computers. While Roanoke, Virginia was more than happy to tell everyone how many hours Southwestern Bell's technicians logged, he neglected to mention just how long their computers were down for. Six days.

A Southwestern Bell spokesman said, "We don't anticipate this happening again." They seem to have learned their lesson. "You would rather it not have happened at all." Such a keen sense of perception didn't require a first hand.

But at least we know they're in touch with their customers. "You would rather it not have happened at all." Such a keen sense of perception didn't require a first hand.

Caller ID Pushers

A recent letter to the Public Service Commission from New York Telephone argued for the implementation of Caller ID and CI-CLASS services as soon as possible. "The current lag in the rollout of technology, not social policy. In early telephone service, all calls were placed through operators, who identified the caller to the called person. Many line services, which three quarters of American telephone customers had in 1950,

provided a check on the anonymity of the caller, since outgoing calls could not be depended upon to be private. By the 1960's, telephone technology tipped the balance in favor of the caller when direct-dial, single party telephone service became widespread, and 491 anonymous calls, technological change, which caused the imbalance, now can help improve it, in the form of Caller ID."

They then use this as justification for not implementing all-out blocking for customers who want to. All call blocking would mean that all calls made from a particular number (except to 911) would not transmit the phone number to the called party. New York Telephone wants to instead offer per-call blocking, meaning that the caller would have to dial a special code (767) before every call they wanted to make without transmitting their number. By doing it this way, New York Telephone reasons, less people would block their numbers and the called party would know that the caller had made a conscious effort to block their number.

Why are the phone companies suddenly so concerned about all of these blocking calls that everyone is allegedly getting? We think they're much more concerned about selling their product to the public. If too many people elect to block their phone numbers, their product won't really be that appealing. But if it's made more difficult to block your number and if those who do are made to feel as if they're guilty of some crime, more people will subscribe to the phone companies will take it in.

If you still believe that this is about privacy, consider the two bits of information all of the phone companies insist on spreading. 1) People who block all of their calls won't be able to transmit their number in an emergency. Not true. Enhanced 911 passes your number to the police regardless of whether you use call blocking. This service is becoming available throughout the country. Caller ID is irrelevant in these cases unless calls are calling non-emergency numbers. And that wouldn't make much sense in an emergency, would it? 2) This will spell the end of harassing phone calls. Totally untrue. All a caller has to do is call from a payphone, a calling card, a long distance company, or simply be out of the immediate area.

Steer those people who are up to something or who want to remain anonymous will always manage to do so, the phone companies would be better advised to pressure the service as something positive for those people who want to announce their arrival before they begin speaking. And as for what society wants or needs, let's leave that up to society, not the phone companies.

2600 marketplace

2600 MEETINGS: First Friday of the month at the Chicago Center from 5:00-8:00 pm in the lobby near the payphones - 153 E. 53rd St., NY, between 1st & 2nd. Come by, drop out replies, ask questions. CND 516-751-5090 for more info. Payphone numbers at Chicago: 212-723-9011, 212-721-8927, 212-338-8014, 212-308-8182, 212-338-8184. Meetings also take place in San Francisco at 4 Embarcadero Plaza (usually starting at 5 pm Pacific Time on the first Friday of the month. Payphone numbers: 415-396-9800, 415-6.

NY STOP CATALOGUE: Packed with equipment items, personal and privacy protection surveillance transmitters in his form, telephone taps, bugs, stun guns, room monitors, decoding devices, analyzers, covert tracking systems, defense spykits, caller ID, people lasers - find anyone considered. Detection systems, tap info, voice changers, stowaways, secure phones, and much more. Send \$5 check or money order to: Bug Bureau, PO Box 978, Dept. 2-6, Shoreham, NY 11786, FAX 516-929-0772.

WILEY P&W \$10.00! For "sound radio" computer program and schematics. Call Mike at 212-531-4331.

KNOW WHO'S CALLING! The Call Identifier has the answer. Displays caller's phone number when your phone rings. Shows phone numbers with date and time of call. \$29.95. \$30 for 2600 subscribers. E.D.L., PO Box 537, Buffalo, NY 14226. (716) 691-3476. Surveillance Greenhouse/Intelligence equipment catalog \$5.

CAN SUPPLY software and computer services of any kind below wholesale prices. I am looking for other people. If you can find one buy one, I will work out a percentage. Would like to correspond with hackers in Switzerland, Germany, Japan, and France. Anybody with access to satellite based technology or access to Los Alamos National Laboratory in New Mexico and/or Lawrence Livermore Labs in San Francisco. K. Henderson, PO Box 765, Agoura Hills, CA 91301. 818-889-8361.

THE LITTLE BLACK BOOK OF COMPUTER VIRUSES. The first book on how to write them! 190 pgs, soft cover, with full IBM PC source code. \$14.95 postpaid, in

ask your local bookstore to order it. (ISBN 0-929-409-02-0) American Eagle Publications, Box 4901, Tucson, AZ 85717.

TECHNICAL SURVEILLANCE CONSULTING SERVICES. Ross Engstrom, Inc., 7906 Hope Valley Court, Adamstown, MD 21110. 800-35-DEBQ.

COCOTS FOR SALE: Perfect working condition, removed from service. Credit card only type, has card reader built into unit. DTMF, 12 number speed dial, \$50 each plus \$15 shipping. Call or write for info. Bill Rogers, 2030 E. Charleston Blvd., Las Vegas, NV 89104. 800-869-8501, (702) 382-7344.

TAP BACK ISSUES, complete set (as of 1-91) of QUANTITY copies from originals. Includes schematics and indexes. \$100 postpaid. Via 1798 or First Class Mail. Copy of 1971 Esquire article "The Secrets of the Elite Blue Box" \$3 & Large SASE w/52 cents of stamps. Price 6. PO Box 463, Mt. Laurel, NJ 08054. We are the Original!

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Marketplace ads are free to subscribers! Send your ad to:

2600 Marketplace, PO Box 99, Middle Island, NY 11953.

Include your address label. Ads may be edited or not printed at our discretion. Deadline for Autumn issue: 10/15/91.

When hackers ride horses:

Cyberpunk: Outlaws and Heroes
on the Computer Frontier

by **Kate Hahn** and **John Markoff**
\$22.95, Simon and Schuster, 354 pages
Reviewed by **The Devil's Advocate**

The exploits of Kevin Mitnick, Perry, and Robert Morris have become legendary both in and out of the hacker mainstream. Until now, however, hackers have had to worship their idols from afar. *Cyberpunk: Outlaws and Heroes on the Computer Frontier* takes hackers in the bull by the horns, by presenting an in-depth up front view of these "techno-revolvers" without the accompanying commentary pieces that usually accompany such a work.

Cyberpunk is a long sequel to Steven Levy's classic *Hackers*. Whereas Levy's treatise expressed the origins of hacking in its infancy, *Cyberpunk* is the New Testament depicting hacking as it is in the here and now. More than just a synthesis of current trends, however, *Cyberpunk* depicts the hacking lifestyle and

The following are comments by **Kate Hahn**, Markoff, and other reviewers of the book shared about him.

I am sad to report that just one of the book's chapters, specifically the chapter on "Kevin: The Dark Side Hacker," is 20 percent shortened and shorter. It seems that the author acted with malice to cause me harm after my refusal to cooperate. Interestingly enough, I did refer to journalism as a factual information source. If I was compensated for my time, but the author refused, claiming it would leave my objection to 19%. So consequently, I declined to cooperate.

However, my co-editor, Larry Deacon, of Data Processing Design, chose to participate proactively in the hopes of being recognized as a "hero" who was responsible for bringing me to justice. Larry seemed to have gained indispensable qualifications when he joined us both on the Digital and the U.S. government. Surprisingly, he also "understands" that it is believed to be totally verifiable by the U.S. government. Once in position, most of the U.S. government's approval to hack (not to witness) had been based on false information (this was later admitted by the U.S. government). Thus information, I believe, was mainly from Larry Deacon and his cronies (Steven Boyes or

Cyberpunk album that has evoked alongside our soundless fascination with computers and information. *Cyberpunk*, perhaps, hackers as they really are, not people with lives not unlike our own. Yes, hackers have emotions, desires, and problems just like we do. No, they're not all computer-nerds or socially ill-tolerant psychos causing withdrawing into the depths of the "net" to escape from reality. If anything, *Cyberpunk* will have away some of the antiquated stereotypes that have persisted throughout the 80s.

In *Cyberpunk*, all the central characters' identity closely with their science fiction counterparts. Indeed, the "hero" that is one of the many legends that is the list of Mitnick, Perry, and Ken (Robert Morris), together. The most interesting story by far is that of Perry, a West Berlin who, more than any other character, epitomizes what it means to be a cyberpunk. Perry was truly a computer outlaw, securing to the likeness of the character Case in William Gibson's *Countdown*, traveling the net in

PURE CYBERFICTION:

Pravdine, CIA. So once Larry had to be the U.S. government he couldn't change his story, since he could risk revealing his real agreement in being untrue as he had just signed. Unfortunately, this generally resulted in a lot of false material being introduced by Larry Deacon, and Ken (Robert Morris). It is factual information in *Cyberpunk*.

Kate probably wasn't happy with me for referring to help her be part one of the book was written with a strong anti-Mitnick, pro-Deacon bias. This bias remained large for his participation but robbed the readers of the real incident. I have seen that book sample as an "outlaw" in the hacking world. This is the false one that I see. The book, Larry was just to elaborate on me; he over-hyped partners for over 20 years, what do you believe?

Larry's examine some interesting cover-ups. Kate Hahn did for Larry Deacon.

1) In the galaxy copy of *Cyberpunk*, Kate Hahn wrote that Larry Deacon was going to work for DEC as a computer security consultant in lieu of being ordered restricted (S12,000). Why was the information eliminated from the final press copy? Probably, DEC wouldn't be happy.

a review of cyberpunk

search of data to sell, and caring no allegiance to country or nation. Readers familiar with The Outlaws' Egg will find this section particularly interesting. *Cyberpunk's* account of the West Berlin hackers makes The Outlaws' Egg look like a *hacking* *hacking* in the outliness of Stall's early press. Now readers can see what it was that Stall himself was trying to establish experience through his own terminal. *Cyberpunk* provides the missing pieces and plus State's cybercrime perspective.

The book contains what hackers on all counts have known and presented for years: that a computer system was hacked by exploiting poorly chosen passwords or bugs in the operating systems. Interestingly, *Cyberpunk* also confirms that the authorities account to only so many bunting Keystone computer cops desperately trying to match wits with nerds. The fact is that everyone described here got busted because they either talked too much or were betrayed by close friends. Without such talk, the bag sum of the law appears

SAYS MITNICK

with Larry - he the provide Kate with enormous detail regarding the DEC incident. Not to mention the dimensional issue regarding John being the person that produced their network.

2) On page 80, Kate wrote that Jerry Deacon obtained a false identity to obtain a job that requires a "where" entry record. The name Kate provided was "Robert Andrew Booninger". This is false. The name of the "false" identity was "Robert Andrew Booninger". But why would Kate print this erroneous information? I know why! Larry was written under the fraudulent identity (Russian language, Booninger) while he was collecting unemployment under his real name (Thomas Mitchell King) thereby defrauding the State of California. Now Kate would not use "truth" of the known - it might cause Larry to refuse to participate in the possible upcoming *Entrepreneur* and LA shows promoting her book.

I would go on and on, even simple verifiable information. For example, on page 84, Kate described a scenario where I asked Perry for a date. To point out interesting points, she stated that I was always going to the computer room when talking with her. Very interesting, since at the Computer Learning Center of Los Angeles, the

to be nothing more than a wet blanket.

Perhaps the central weakness of *Cyberpunk* is its somewhat bland tone and lack of objectivity. Time and time again, readers will encounter the author's own prejudices slipping through the cracks between the lines. Although no one is innocent in *Cyberpunk*, readers will easily get the impression that Mitnick is the sinner of the book. This is despite the fact that Mitnick's exploits appear equal, if not less damaging, than those of the others. Unfortunately, the bias seems to ugly lead in a number of passages, a whole sign that the authors appear to be more impressed with Mitnick's attitude than with anything else. It is also no coincidence that Mitnick is the only central character that refused to be interviewed by the book.

Despite this weakness, *Cyberpunk* remains a thought-provoking looking glass into the lives of the most interesting people in the Information Age. The true value of these hacker/hacker hackers will be as readers' spellbound with their wiggly snail's pace.

And, when describing my arrest at USC in 1982, Kate wrote (on page 71 and 72) that I worked for "System Manager" to be uncooperative techniques. Their only "mistake" was I never spoke with Mark Brown.

These are many, many false statements, misrepresentations, and inaccurate reports in part one of this book. I could only say it is sad that the authors were too cheap to compensate me for my time; instead they hid under the guise of "limited objectivity". This resulted in my refusal to participate.

In summary, *Cyberpunk* is an interesting read, though at least, as readers understand this perforated non-fiction book is not what it claims to be. Due to the fact that it is 20 percent shorter, I believe the authors acted with malice due to my refusal to participate for them. Kate Hahn's only hope was seeking the cooperation of my co-editor, Larry Deacon. She did gain his full cooperation, which resulted in a strong bias and misrepresentation of facts.

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

memorandum

TO : Mr. Tolson, et al.
FROM : [Redacted]
SUBJECT: [Redacted]

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- 50. [Redacted]

Frank Darden (one of the Atlanta hackers) writes: "Well, here I sit, a professor of my own hobby. I'm currently being held in a Federal Prison Camp in Talladega, Alabama. I wish I could tell you that Prison Camp is not that bad. Sure, it's not like the prison you see on TV, but it's really suckin'. [This above is] what I received instead of 2699. Apparently your magazine poses a threat to the security of this institution. Let me also say that my hacking days are over. Also, I'd like to add, to any hackers out there, make sure you know what you're getting into. Consider the price you have to pay. Believe me, in my eyes it's not worth it. It was fun while it lasted. They say: 'The Letter'."

We pursued the matter and in July received this response from Warden Roger Scott of the U.S. Department of Justice: "After careful review of your magazine and conferring with the Institution's electronic technician, I feel the below listed articles to be improper as they contain information which promotes the illegal use or disruption of coin operated type telephones (COCOTs). Since the telephones used by the inmate population are of the coin operated type, I do not feel these articles are appropriate for reading by the inmates. COCOT 'Trainers' on Page 24 describes how to make unauthorized calls from COCOT type telephones. 'Another Method' on Page 26 describes how to make unauthorized calls from COCOT type phones without charges and how to disrupt the operation of the phone. 'Suggestions' on Page 27 describes how to make illegal telephone calls with the help of recorded tones and by use of two telephones. Based on these three articles, I feel I have no alternative but to stand by my previous decision to reject this issue of your 2699 magazine."

The "Trainers" he refers to are, of course, actually letters. We think it's very unlikely that a prison would have COCOTs. It's very likely, though, that he doesn't even know what a COCOT is and is just assuming that all payphones are the same. In the end, technical ignorance by the authorities prevents Darden from reading the only magazine that talks about the technical ignorance that put him in prison. Sometimes it seems like an endless loop.

TIME TO RENEW?

IF YOUR ADDRESS LABEL SAYS IT'S TIME TO RENEW, YOU SHOULD TAKE IT VERY SERIOUSLY. UNLIKE MOST OTHER PUBLICATIONS, WE WON'T SEND YOU A BUNCH OF REMINDERS OVER AND OVER AGAIN. WE DON'T BELIEVE IN HOUNDING OUR FORMER READERS, SO YOU COULD FIND YOURSELF WONDERING WHY YOU HAVEN'T SEEN 2699 IN THE LAST FEW MONTHS. UNFORTUNATELY, WHEN THIS HAPPENS, SUBSCRIBERS USUALLY MISS AN ISSUE BY THE TIME THEY FIGURE OUT WHAT'S HAPPENED, AND IF YOU'VE EVER MISSED AN ISSUE OR 2699, YOU KNOW WHAT THAT MEANS. DON'T GET CAUGHT SHORT. RENEW BEFORE YOUR LAST ISSUE ARRIVES SO THERE WON'T BE ANY GAPS. RENEW FOR MULTIPLE YEARS SO YOU WON'T HAVE TO WORRY ABOUT THIS QUITE SO OFTEN. AND FOR YOU CORPORATIONS AND INSTITUTIONS THAT TAKE FOREVER TO PROCESS PURCHASE ORDERS, CONSIDER A LIFETIME SUBSCRIPTION SO YOU'LL NEVER HAVE TO DEAL WITH ANY OF THIS AGAIN.



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